

Appl. No. 10/612,619
August 9, 2004
Reply to Office action of May 26, 2004

Amendments to the Specification:

Please replace the paragraph beginning at page 3, line 4, with the following rewritten paragraph:

-- To achieve the above-mentioned objects, the invention provides a
5 projector including a casing, a light source, an optical engine, inlet ports and
outlet ports formed on the casing, and a fan mounted in the casing. The fan sucks
air streams from the inlet ports into the casing and forces the air streams to flow
out of the casing via the outlet ports. A buffer chamber is defined among the fan,
the outlet ports, and the casing. The casing includes a first housing and a second
10 housing. The ~~second~~first housing is retractable relative to the ~~first~~second housing
so that a volume of the buffer chamber may be changed. --

Please replace the paragraph beginning at page 3, line 16, with the following rewritten paragraph:

-- The inlet ports and the outlet ports may be formed on the second housing
15 and the first housing, respectively. The first housing ~~and the second housing are is~~
retractable relative to ~~the second housing each other~~ along a direction
perpendicular or parallel to a direction of the air streams or along an arbitrary
direction. --

Please replace the paragraph beginning at page 5, line 1, with the following
20 rewritten paragraph:

-- FIGS. 3 and 4 are schematic illustrations showing projectors in a retracted
state and an expanded state according to a first embodiment of the invention,
respectively. Referring to FIGS. 3 and 4, the projector according to the first

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embodiment of the invention includes a casing 10, inlet ports 16 and outlet ports 18 formed on the casing 10, a fan 20, a light source 26, an optical engine 27 and a plurality of circuit boards 32. The light source 26 is installed within the casing 10 and may be interposed between the inlet ports 16 and the fan 20. The optical 5 engine 27 processes light rays from the light source 26 and projects an image onto a display screen. A plurality of electronic elements (not shown) for the projector is installed on the circuit boards 32. The fan 20 is installed in the casing 10 to suck air streams 22 from the inlet ports 16 and take away the heat generated from the light source 26. A buffer chamber 24 is defined among the fan 20, the outlet ports 10 18 and the casing 10. The air streams 22 pass through the buffer chamber 24 and are slowed down and then exhausted from the outlet ports 18. It is to be noted that the casing 10 includes a first housing 12 and a second housing 14, wherein the first housing 12 is retractable relative to the second housing 14 ~~that is retractable relative to the first housing 12~~. The first housing 12 and the second housing 14 are 15 formed with the inlet ports 16 and outlet ports 18. --

Please replace the paragraph beginning at page 5, line 18, with the following rewritten paragraph:

-- When the projector is not used, as shown in FIG. 3, most of the first housing 12 ~~are-is~~ retracted into the second housing 14, and the projector has a 20 minimum volume at this time. When the projector is used, as shown in FIG. 4, a portion of the first housing 12 is pulled out of the second housing 14 along a direction substantially perpendicular to the direction of the air streams 22. At this time, the volume of the buffer chamber 24 is enlarged so that the air streams 22

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may be sufficiently slowed down in the buffer chamber 24 and then exhausted from the outlet ports 18. Thus, the noises may be advantageously reduced. --

Please replace the paragraph beginning at page 6, line 3, with the following rewritten paragraph:

5 -- FIGS. 5 and 6 are schematic illustrations showing projectors in a retracted state and an expanded state according to a second embodiment of the invention, respectively. Referring to FIGS. 5 and 6, the projector according to the second embodiment of the invention includes a casing 10, inlet ports 16 and outlet ports 18 formed on the casing 10, a fan 20, a light source 26 and a plurality of circuit 10 boards 32. The light source 26 is installed within the casing 10 and interposed between the inlet ports 16 and the fan 20. A plurality of electronic elements (not shown) for the projector is installed on the circuit boards 32. The fan 20 is installed in the casing 10 to suck air streams 22 from the inlet ports 16 and take away the heat generated from the light source 26. A buffer chamber 24 is defined 15 among the fan 20, the outlet ports 18 and the casing 10. The air streams 22 pass through the buffer chamber 24 and are slowed down and then exhausted from the outlet ports 18. It is to be noted that the casing 10 includes a first housing 12 and a second housing 14, wherein the first housing 12 is retractable relative to the second housing 14 that is retractable relative to the first housing 12. The first 20 housing 12 is formed with the outlet ports 18 and the second housing 14 is formed with the inlet ports 16. --

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Amendments to the Abstract:

Please replace the paragraph beginning at page 11, line 2, with the following rewritten paragraph:

-- A projector includes a casing, a light source, an optical engine, inlet ports and outlet ports formed on the casing, and a fan mounted in the casing. The fan sucks air streams from the inlet ports into the casing and forces the air streams to flow out of the casing via the outlet ports. A buffer chamber is defined among the fan, the outlet ports, and the casing. The casing includes a first housing and a second housing. The first second-housing is retractable relative to the first second housing so that a volume of the buffer chamber may be changed. --

Please replace the **ABSTRACT OF THE DISCLOSURE** currently of record with the attached new **ABSTRACT OF THE DISCLOSURE**.

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ABSTRACT OF THE DISCLOSURE

A projector includes a casing, a light source, an optical engine, inlet ports and outlet ports formed on the casing, and a fan mounted in the casing. The fan sucks air streams from the inlet ports into the casing and forces the air streams to flow out of the casing via the outlet ports. A buffer chamber is defined among the fan, the outlet ports, and the casing. The casing includes a first housing and a second housing. The first housing is retractable relative to the second housing so that a volume of the buffer chamber may be changed.